LRAD CORPORATION

Case Study

Port of Corpus Christi, TX

Port Implements DHS Small Boat Security Strategy by Installing Long Range Acoustic Device®

The ability to communicate at distance and determine intruders' intent is a critical element in port security and surveillance solutions.

by Robert Putnam | Director, Investor Relations

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Powerful Long Range Communication

The Port of Corpus Christi has implemented the Department of Homeland Security's Small Boat Security strategy by installing a remotely operated Long Range Acoustic Device (LRAD- RX®). The LRAD-RX addresses identifying and countering vessel borne IED's as part of a recently installed next generation command and control system that features a technology new to port security - a powerful long range hailing, warning and communications system that provides a remotely operated first line of defense against ships that fail to respond to radio calls or follow port protocols.

The LRAD-RX® system from LRAD Corporation, the world's leading provider of acoustic hailing devices, features a proprietary robust IP-addressable full pan and tilt drive for precise aiming and tracking. The LRAD-RX's 30º - 60º directional audio broadcasts allow port security to remotely target incoming vessels without disturbing operations in surrounding areas.

"By giving port authorities the means to issue warnings and instructions that can be unequivocally understood over distance, the LRAD-RX enforces large standoff and safety zones, determines intent, and provides port authorities time and distance to scale their response and prevent uncertain situations from escalating into major security breaches."

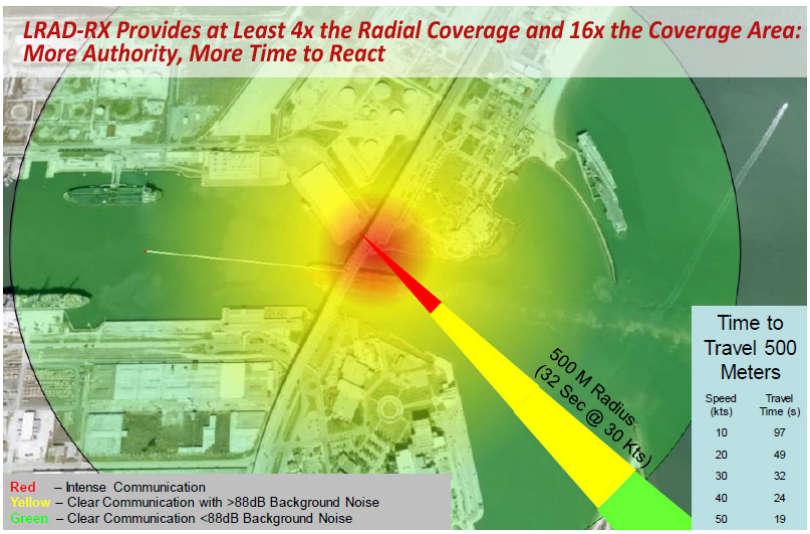
"When an approaching ship does not respond to radio calls, port security authorities engage the LRAD-RX system to broadcast multi-language hails, warnings and deterrent tones that can be clearly heard over 2 miles away," stated Tom Brown, president and CEO of LRAD Corporation. "By giving port authorities the means to issue warnings and instructions that can be unequivocally understood over distance, the LRAD-RX enforces large standoff and safety zones, determines intent, and provides port authorities time and distance to scale their response and prevent uncertain situations from escalating into major security breaches."

Filling the Gap

The LRAD-RX long-range acoustic hailing system was originally developed for the U.S. Navy's Shipboard Protection System in response to the deadly attack on the USS Cole at a port in Yemen in October 2000.

G4S Technology, a systems integrator and project management company for communication networks and electronic security systems, designed, integrated and installed the enhanced command and control system funded by a grant from the Department of Homeland Security to the Port of Corpus Christi.

The Port Corpus Christi is one of the 10 largest ports in the United States in total tonnage. Strategically located on the western Gulf of Mexico, with a straight, 45' deep channel, the Port provides quick access to the Gulf and the entire United States inland waterway system.



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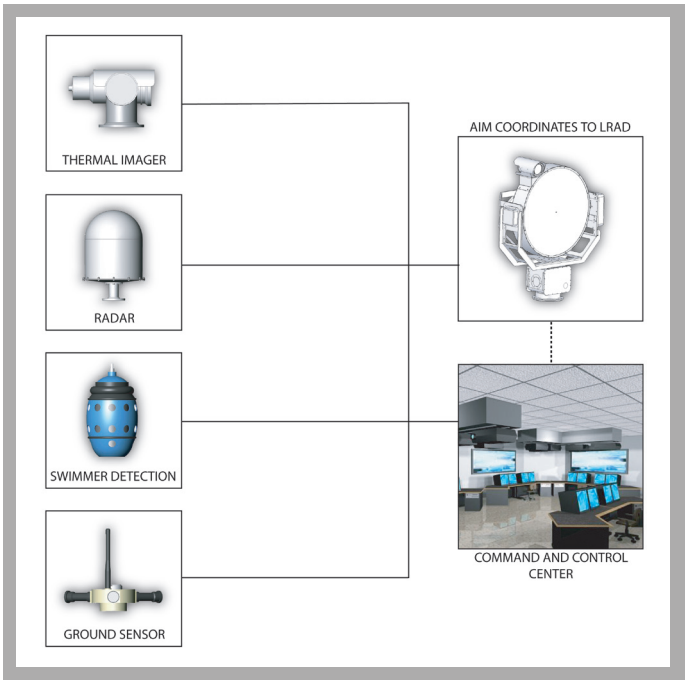
Integration & Control

In addition to the LRAD-RX system, the new command and control center has been integrated with:

- FLIR F-313 thermal camera
- Advanced radar and sonar sensors
- Computer aided dispatch
- Automated vehicle and personnel location devices
- Advanced video analytics capabilities



Robert Sommerfeld, president of G4S Technology remarked, “The maritime industry plays a key role in the prosperity of the American economy; therefore, security is key. This high-level deployment provides a glimpse into the future of maritime security.”

The ability to communicate at distance and determine intruders’ intent is missing from most port security and surveillance solutions. Adding the LRAD-RX system with integrated radar, high-powered spotlights, and thermal imaging/night vision cameras, offers a complete surveillance and escalation of force capability and turns port operations centers into remote first responders by serving as a force multiplier and providing a cost effective solution for securing the port, reducing false alarms and maintaining essential operations.

Conclusion

The inclusion of the LRAD-RX in the Port of Corpus Christi’s advanced security system underscores the growing importance of communicating over distance to vessels that cannot, or refuse to, answer radio calls. By providing Port authorities the ability to remotely communicate over long distances, determine intent, influence behavior and resolve uncertain situations, LRAD-RX is proving to be a vital addition to integrated port security systems.

About LRAD Corporation

LRAD Corporation provides directed audio solutions that place clear, highly intelligible sound exactly where needed. LRAD Corporation's Long Range Acoustic Device™ (LRAD®) and other directed sound technologies comprise the core of an expanding portfolio of products being used around the world in diverse applications including, global military deployments, maritime security, critical infrastructure and commercial security, border and port security, law enforcement and emergency responder communications, and wildlife preservation and control.

LRAD Corporation
15378 Avenue of Science
San Diego, CA 92129
858.676.1112
www.LRADX.com